

Summary of online PV rej

	'96(TY)	'97(TY)	'97(SK)	'98(KM)	'02(KM)
HEX	2.76±0.04	2.73±0.05	2.77±0.02	2.69±0.02	2.98±0.04
HEXaft	-----	1.06±0.006	1.27*0.9?	1.08±0.002	1.11±0.01
BV*EC	890±88	1208±196	2837±290	2495±880	1980±310
Tot onl	2630±260	3500±570	8980±920	7250±2550	6550±1025

NOTE :

- HEX rejection is pretty stable for all years.
- KM and TY used a comis function which emulate the HEXafterburner.
- We don't have enough statistics for '98.
- TY's '97 BV*EC rejection is about half of Steve's value.

Cut conditions

- 1) trig = 10z, l11, ext(2)
- 2) pass1 = ipiflg.eq.0, RD_TRK, STLAY, RSHEX, TRKTIM,
FITPI, UTC, PDC, LAY14, RSHEX2
- 3) box = KPI2BOX
- 4) beam = DELCO, PSCUT, PSCUT1, DELCO1
- 5) KM's setup cuts
- 6) KM's PSCUT

'97 BV*EC rejection

- I tried various cut conditions using '97 Kp22 sample.

cuts	'97 BV*EC

a) 5*6	1208±196
b) 1*2*3*4(SK)	2837±290
c) 1*2*3*4(TY)	3162±790
d) 1*2*3*6	3025±756
e) 2*3*6	1181±152
f) 2*3*4	1240±160

- Using same cut condition, the result is consistent with Steve's result.(see b) and c))
 - If I disabled cut (1), the results are consistent with my original result.
(see a), e) and f))
- Difference between Steve's and TY's result seems to come from the 'l0z'.
(Kp22 already have l11 and ext(2))